

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086112.D
 Acq On : 25 Mar 2025 19:52
 Operator : JC\MD
 Sample : Q1627-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GRID-LINE-1.2-NORTH

Quant Time: Mar 26 03:26:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

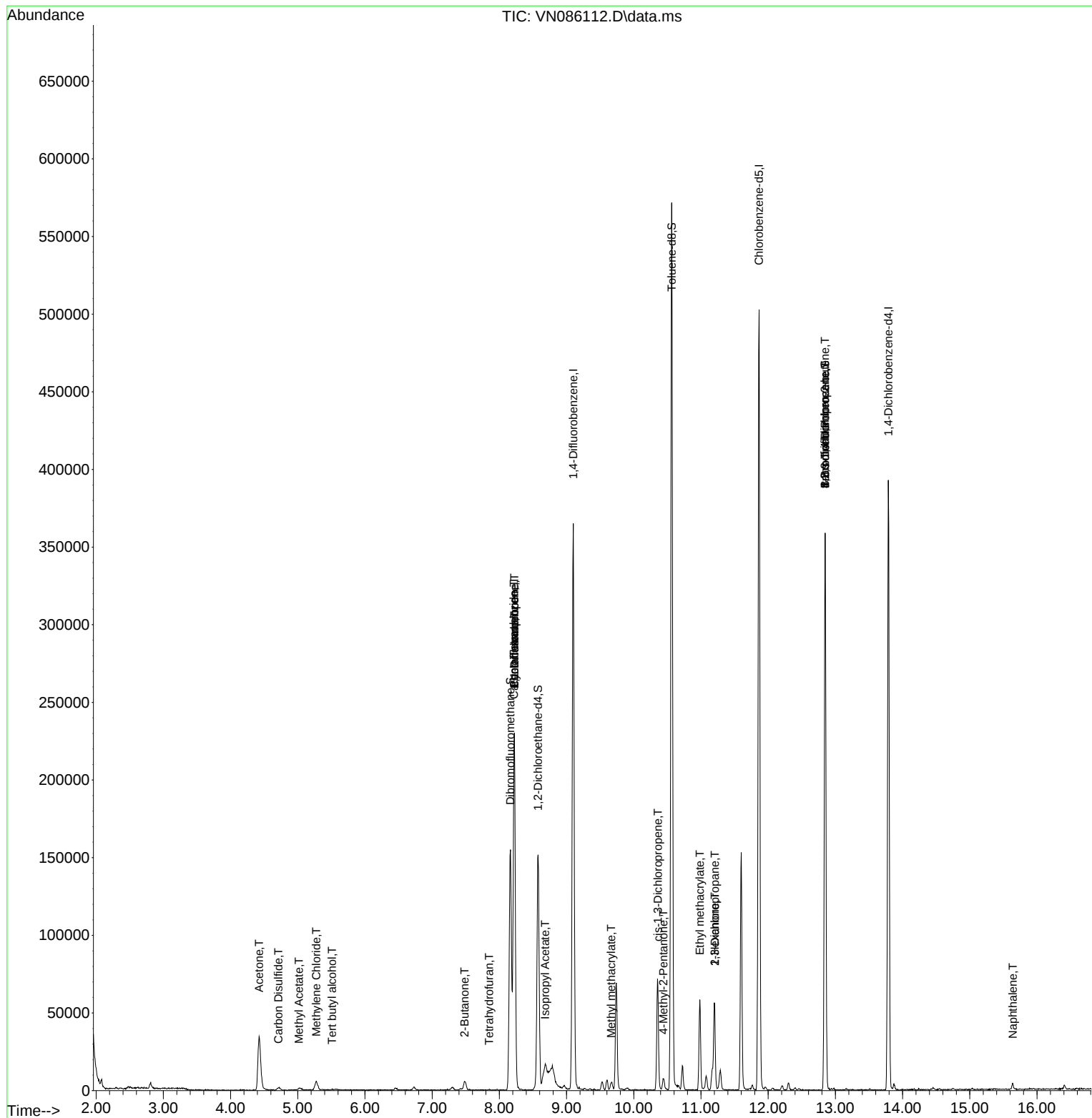
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127560	56.059	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.120%
35) Dibromofluoromethane	8.165	113	113467	52.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.580%
50) Toluene-d8	10.565	98	408682	51.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.800%
62) 4-Bromofluorobenzene	12.847	95	126597	45.078	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.160%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	225	0.698	ug/l #	73
16) Acetone	4.424	43	63900	91.920	ug/l	97
17) Carbon Disulfide	4.712	76	1193	0.213	ug/l #	74
18) Methyl Acetate	5.018	43	1151	0.669	ug/l #	74
20) Methylene Chloride	5.277	84	4653	2.288	ug/l #	90
25) 2-Butanone	7.483	43	9771	9.741	ug/l	88
29) Tetrahydrofuran	7.847	42	301	0.486	ug/l #	24
31) Cyclohexane	8.224	56	3329	1.174	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13374	4.681	ug/l #	48
38) Carbon Tetrachloride	8.218	117	17047	4.538	ug/l #	16
43) Isopropyl Acetate	8.682	43	21527	4.122	ug/l #	64
48) Methyl methacrylate	9.665	41	733	0.425	ug/l #	7
51) 4-Methyl-2-Pentanone	10.441	43	6726	2.920	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	13596	3.958	ug/l #	69
56) Ethyl methacrylate	10.982	69	554	0.397	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	726	0.203	ug/l #	42
59) 2-Hexanone	11.206	43	7943	4.733	ug/l #	56
71) Bromoform	12.847	173	1097	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	63337	24.634	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63337	65.129	ug/l #	16
95) Naphthalene	15.641	128	4819	0.845	ug/l #	92

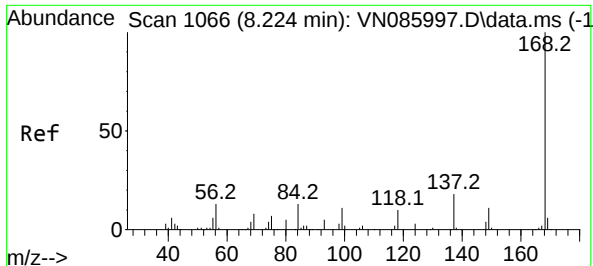
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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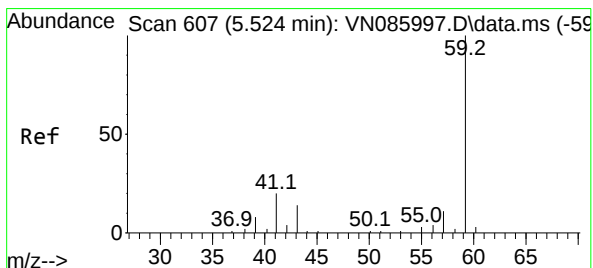
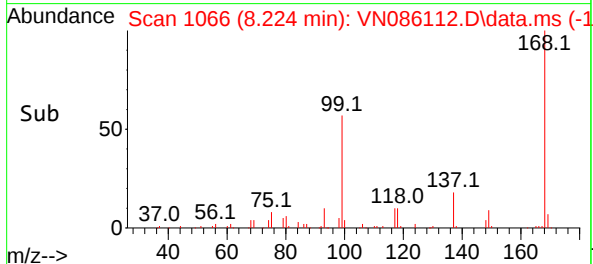
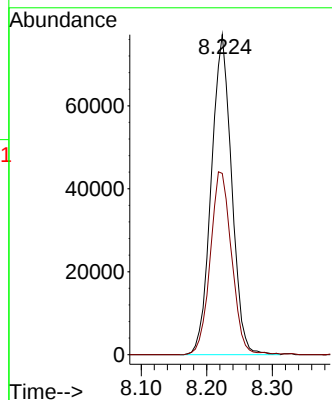
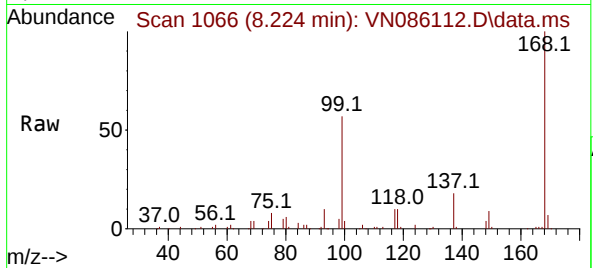




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

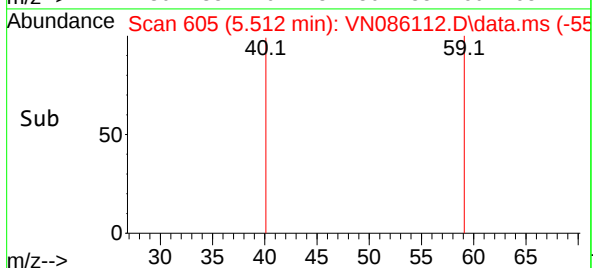
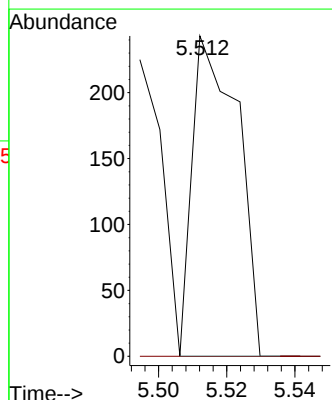
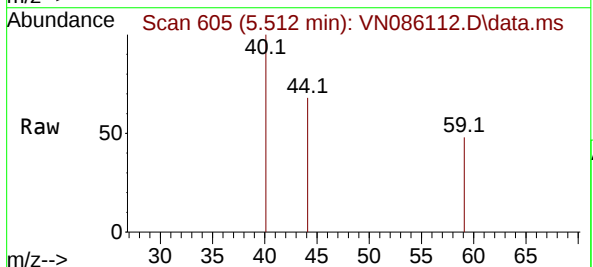
Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

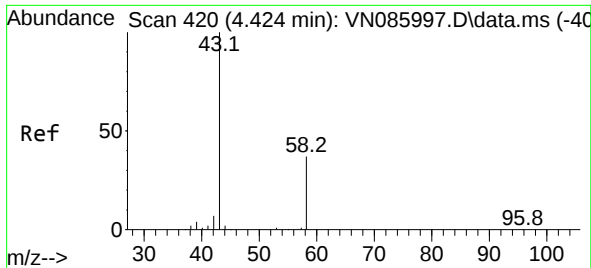
Tgt Ion:168 Resp: 166171
Ion Ratio Lower Upper
168 100
99 56.6 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.698 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

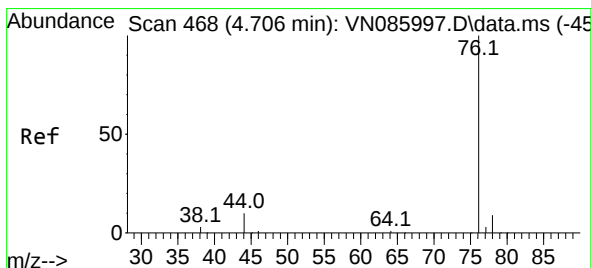
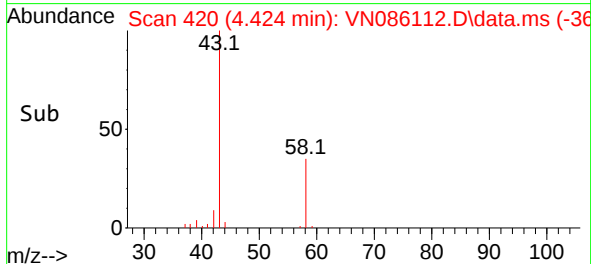
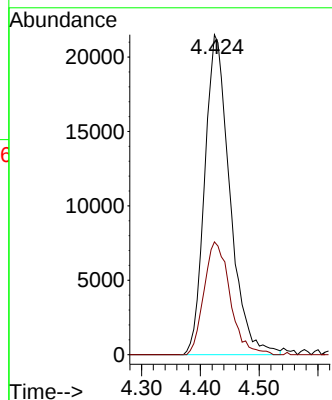
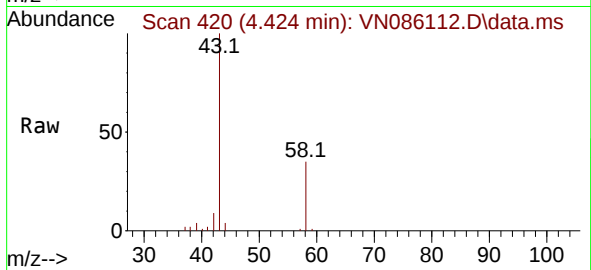




#16
Acetone
Concen: 91.920 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

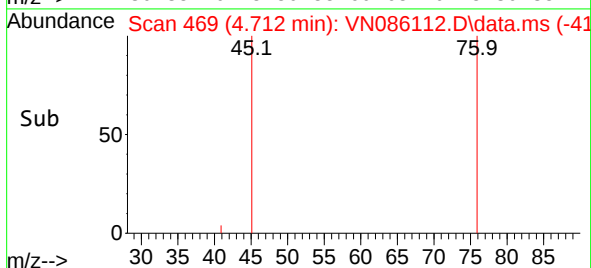
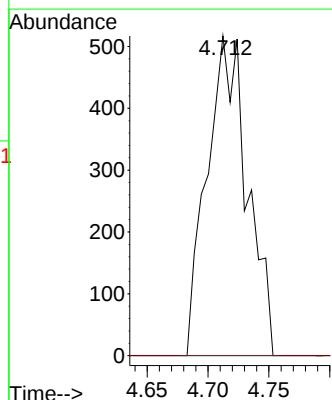
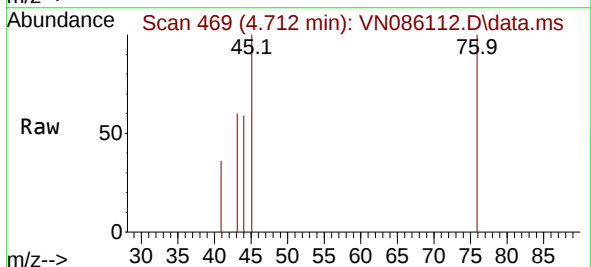
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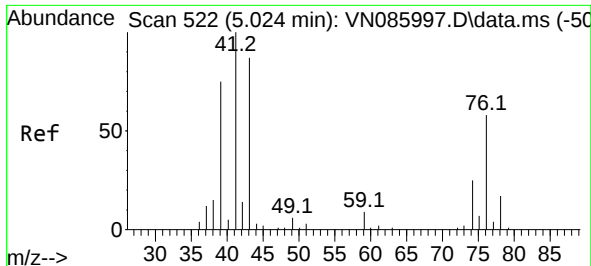
Tgt Ion: 43 Resp: 63900
Ion Ratio Lower Upper
43 100
58 35.3 29.4 44.2



#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 76 Resp: 1193
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

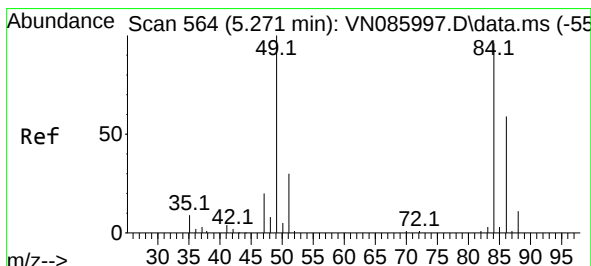
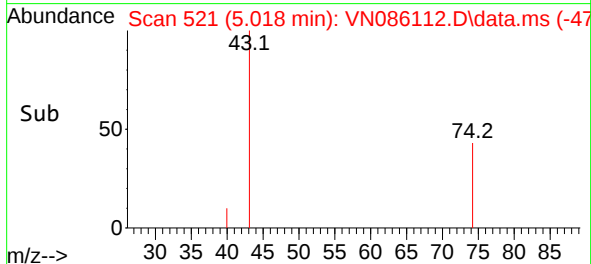
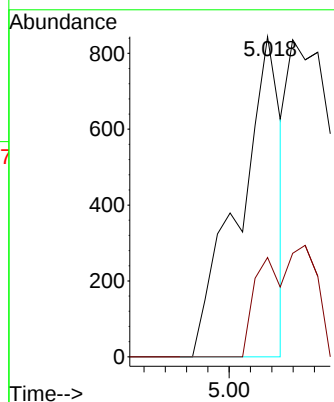
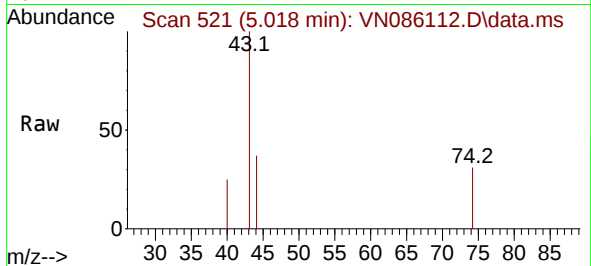




#18
Methyl Acetate
Concen: 0.669 ug/l
RT: 5.018 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

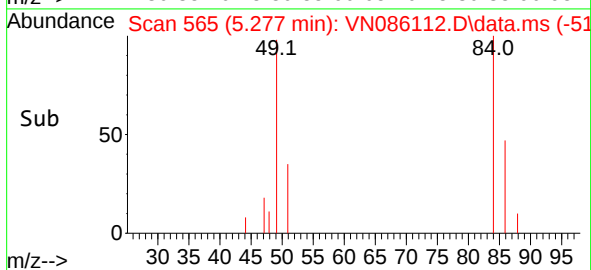
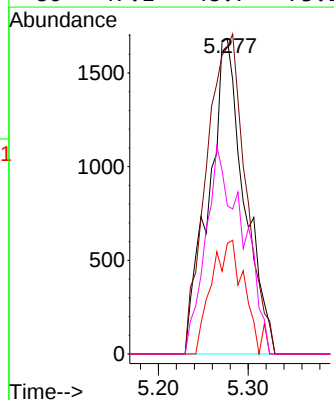
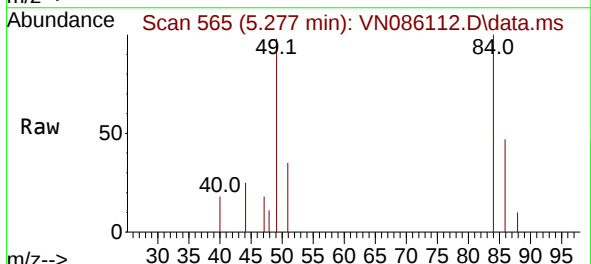
Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

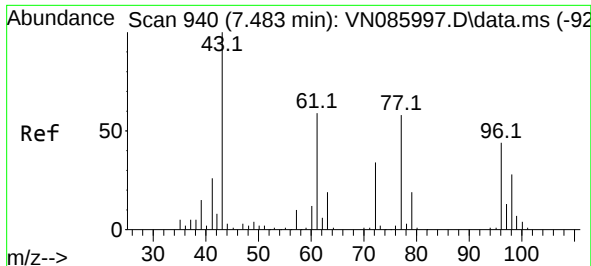
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
74 43.9 23.9 35.9#



#20
Methylene Chloride
Concen: 2.288 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 84 Resp: 4653
Ion Ratio Lower Upper
84 100
49 97.6 83.3 124.9
51 35.2 24.8 37.2
86 47.1 48.7 73.1#

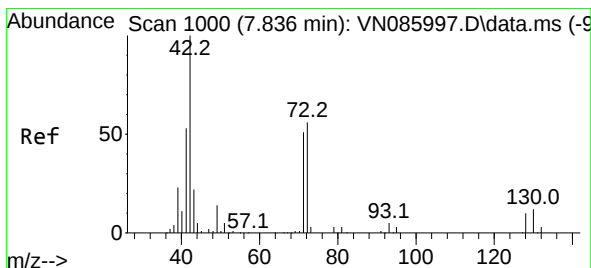
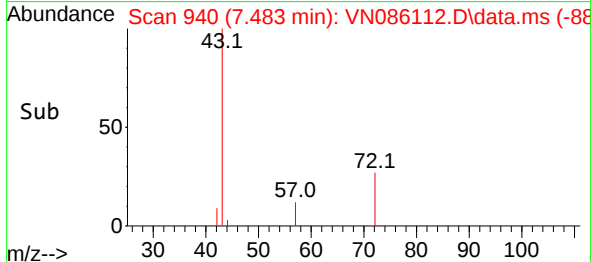
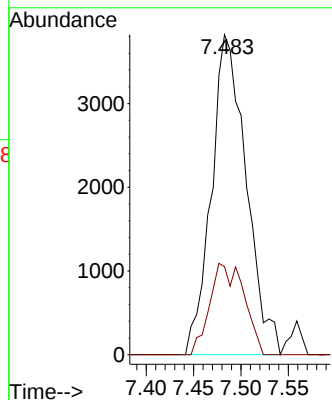
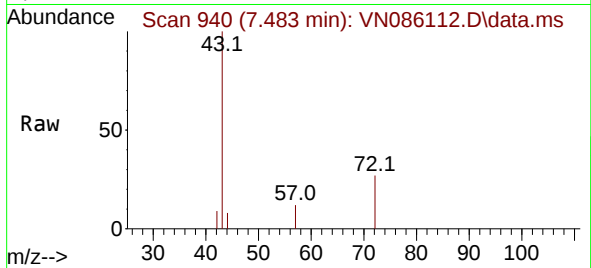




#25
2-Butanone
Concen: 9.741 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

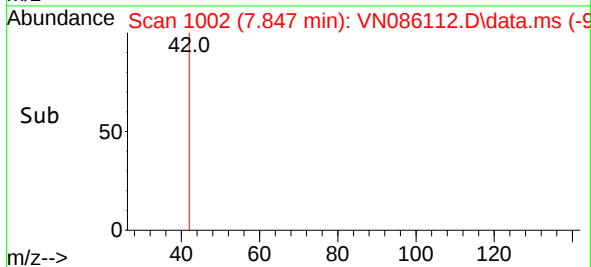
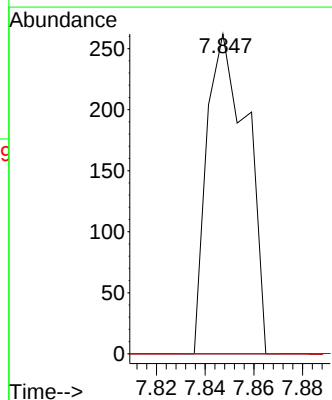
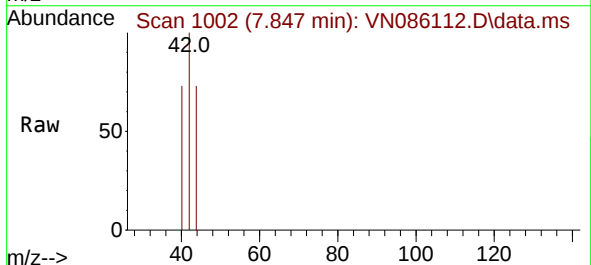
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ClientSampleId :
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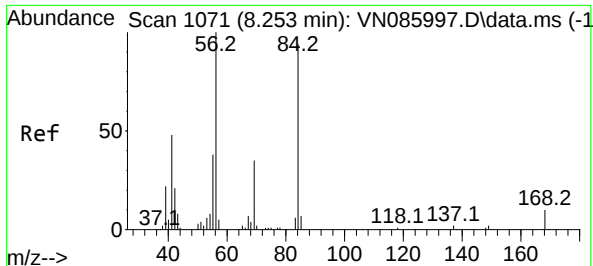
Tgt Ion: 43 Resp: 9771
Ion Ratio Lower Upper
43 100
72 27.5 27.4 41.0



#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

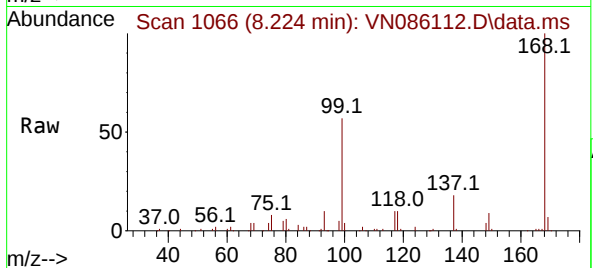
Tgt Ion: 42 Resp: 301
Ion Ratio Lower Upper
42 100
72 0.0 45.0 67.4#
71 0.0 41.9 62.9#



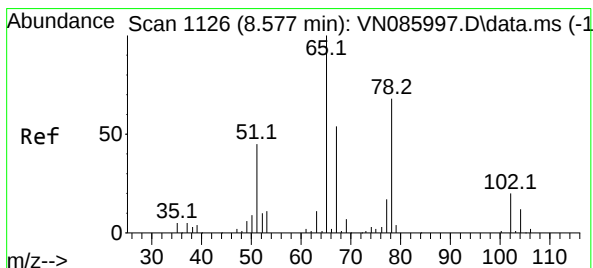
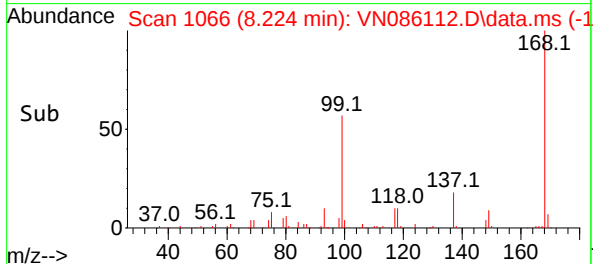
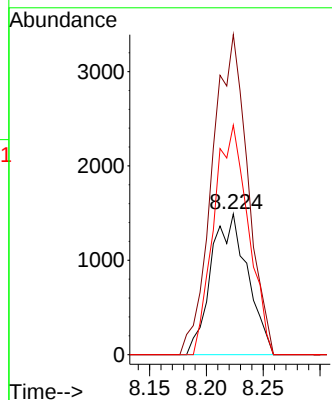


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

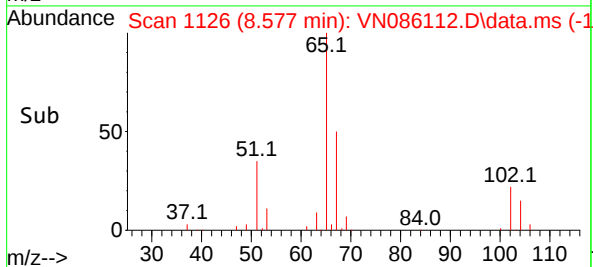
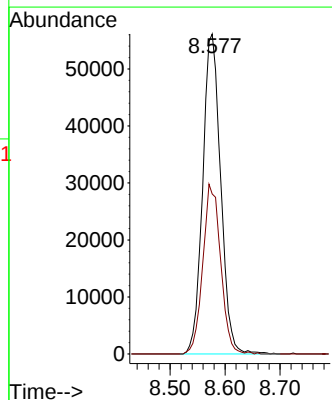
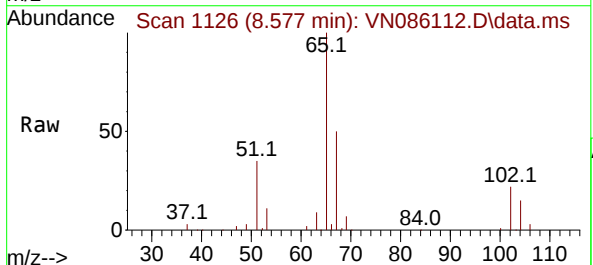


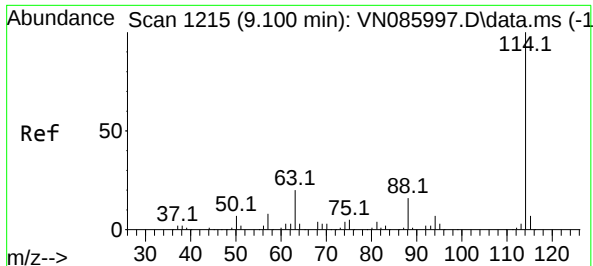
Tgt Ion: 56 Resp: 3329
Ion Ratio Lower Upper
56 100
69 227.3 28.0 42.0#
84 163.1 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 56.059 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 65 Resp: 127560
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.2

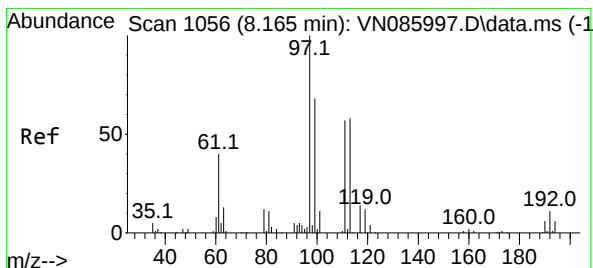
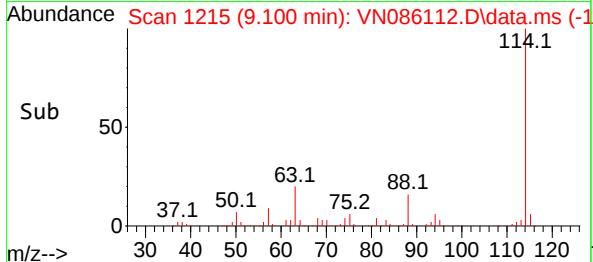
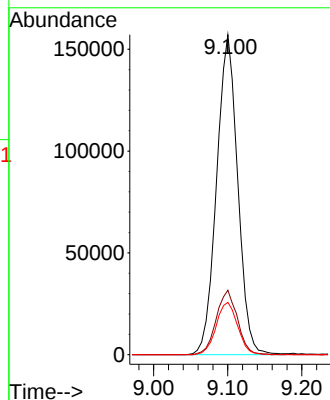
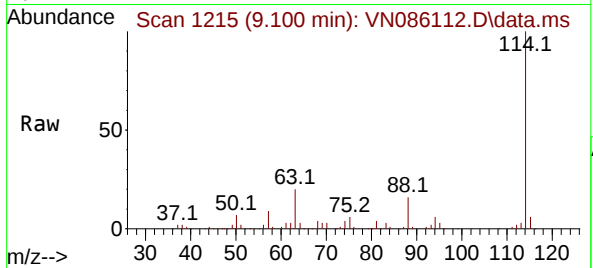




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

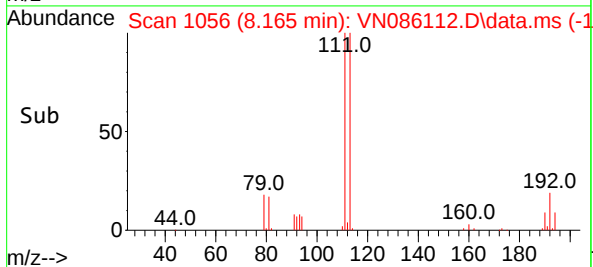
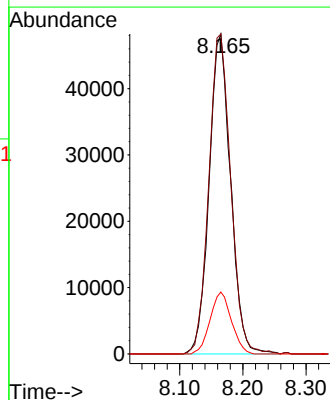
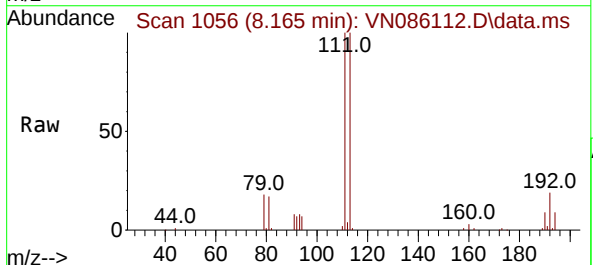
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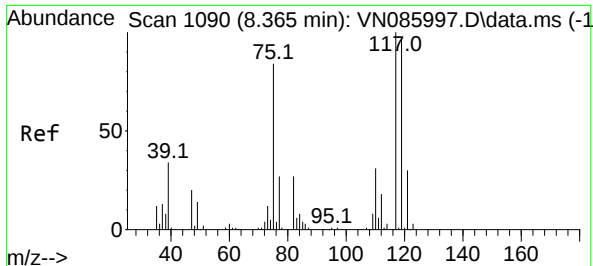
Tgt Ion:114 Resp: 310861
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.294 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion:113 Resp: 113467
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 19.3 15.9 23.9

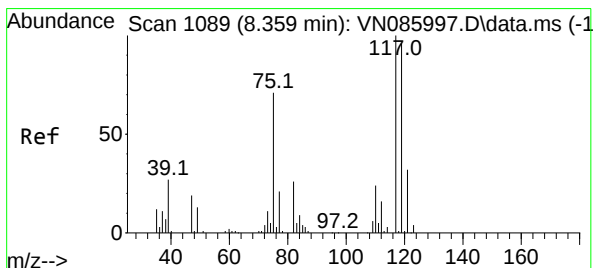
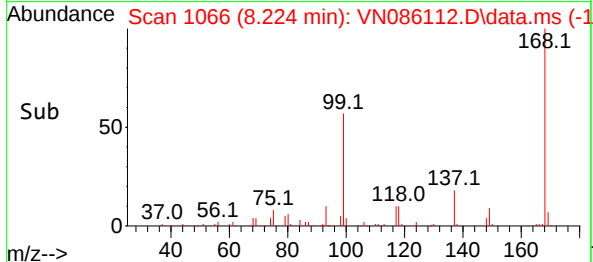
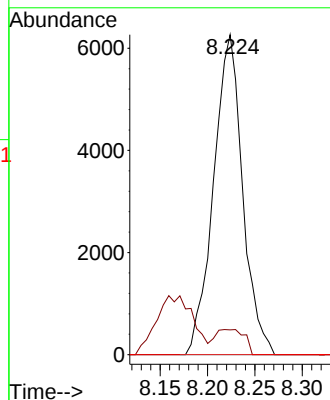
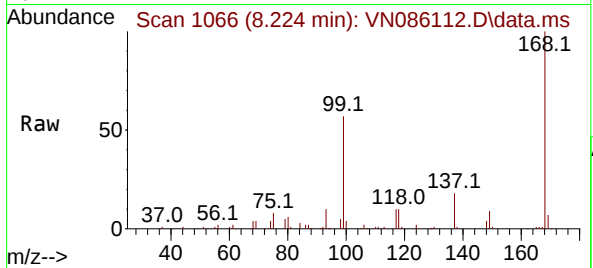




#36
1,1-Dichloropropene
Concen: 4.681 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

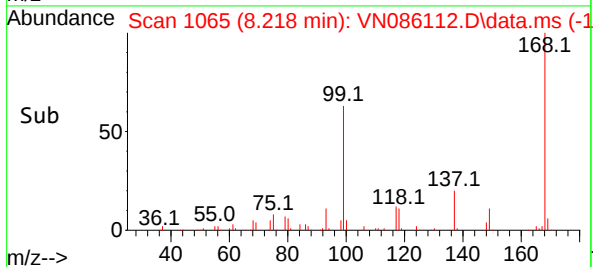
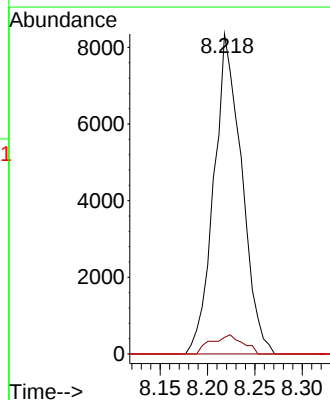
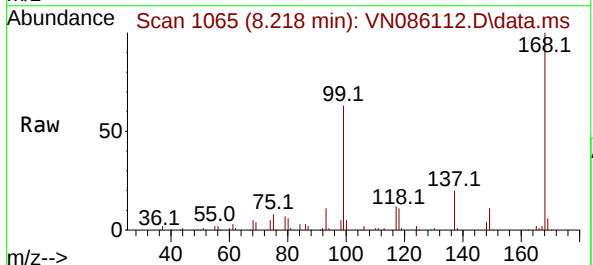
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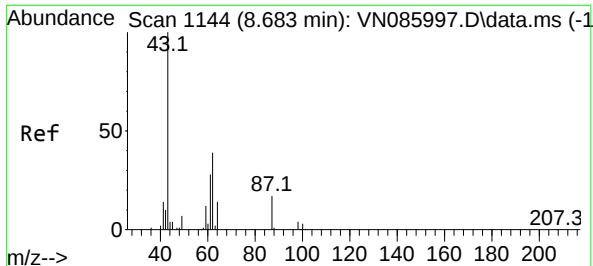
Tgt Ion: 75 Resp: 13374
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.538 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 117 Resp: 17047
Ion Ratio Lower Upper
117 100
119 5.2 77.0 115.4#
121 0.0 25.6 38.4#

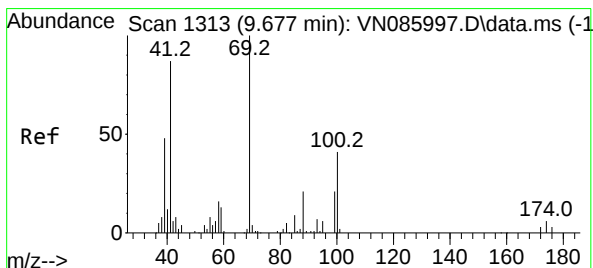
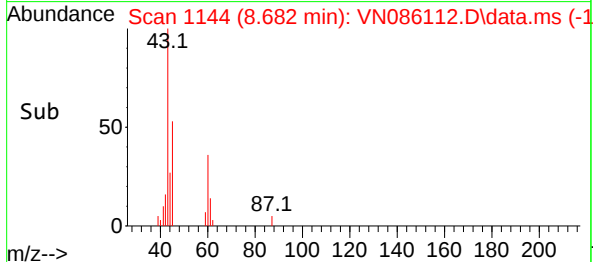
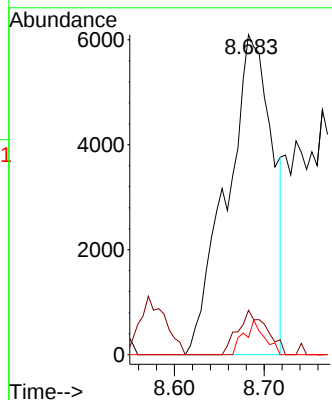
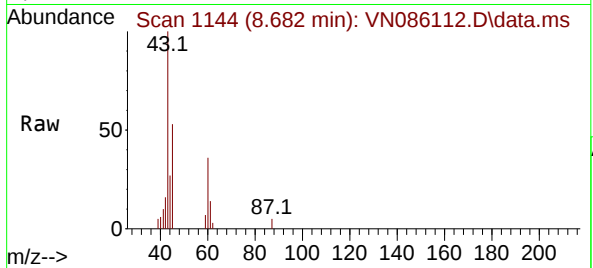




#43
Isopropyl Acetate
Concen: 4.122 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

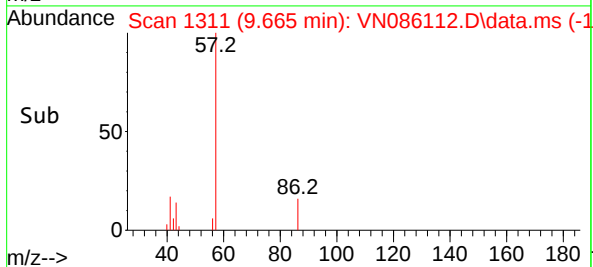
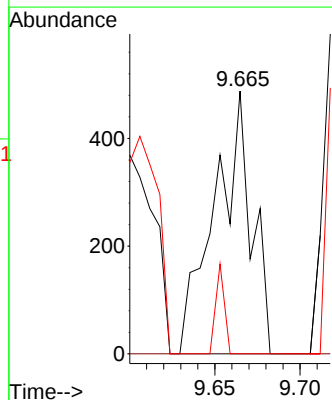
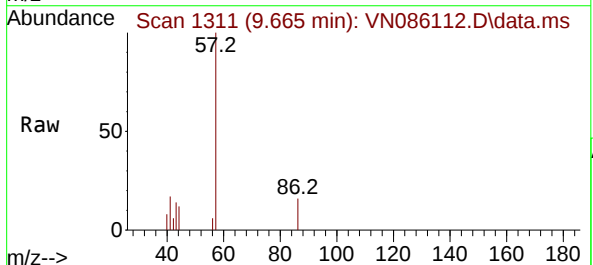
Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

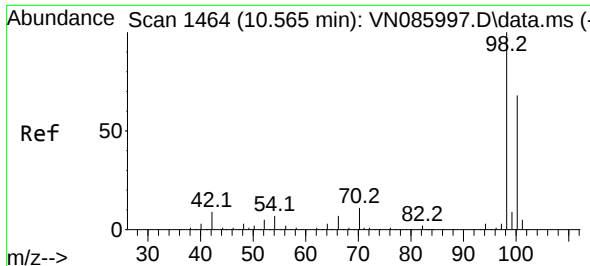
Tgt Ion: 43 Resp: 21527
Ion Ratio Lower Upper
43 100
61 8.7 25.0 37.6#
87 4.8 13.0 19.4#



#48
Methyl methacrylate
Concen: 0.425 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 41 Resp: 733
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 0.0 45.6 68.4#

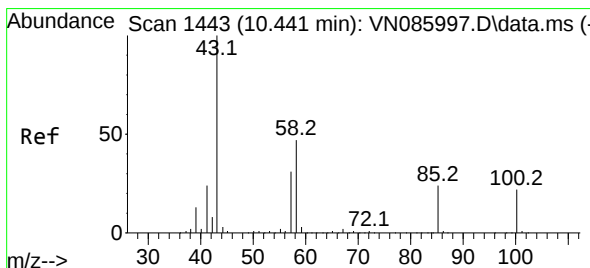
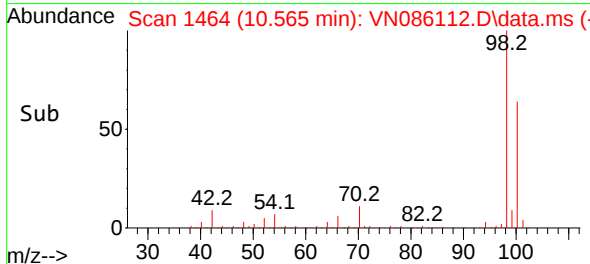
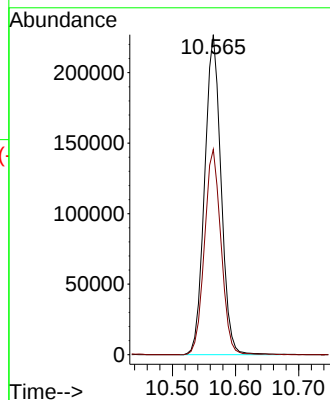
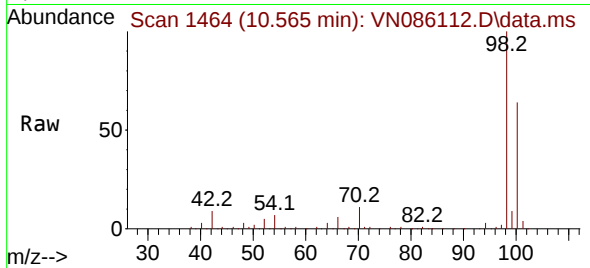




#50
Toluene-d8
Concen: 51.898 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

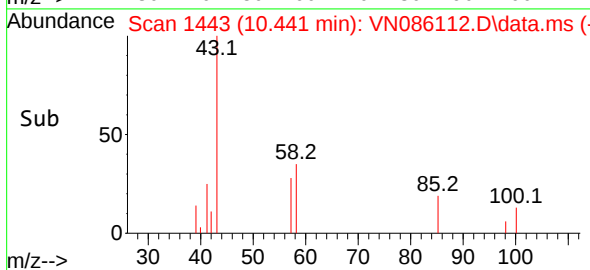
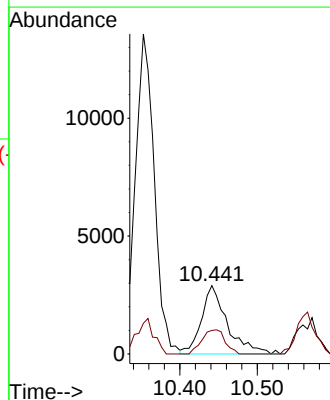
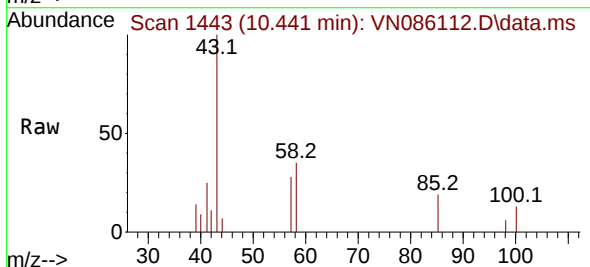
Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

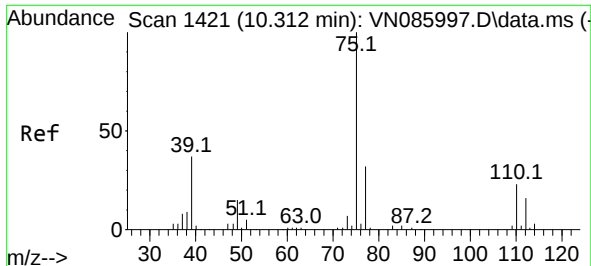
Tgt Ion: 98 Resp: 408682
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 2.920 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 43 Resp: 6726
Ion Ratio Lower Upper
43 100
58 31.5 37.4 56.0#

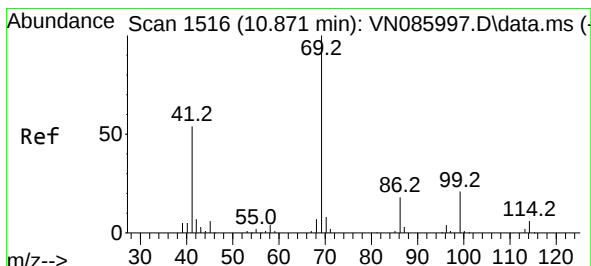
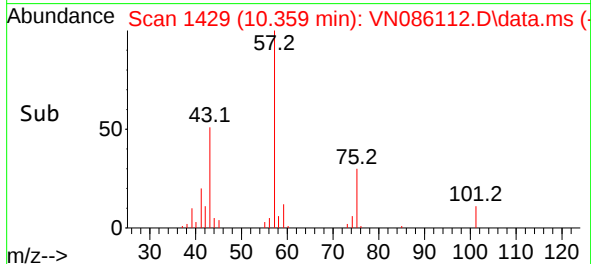
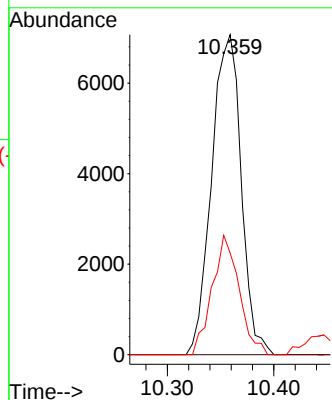
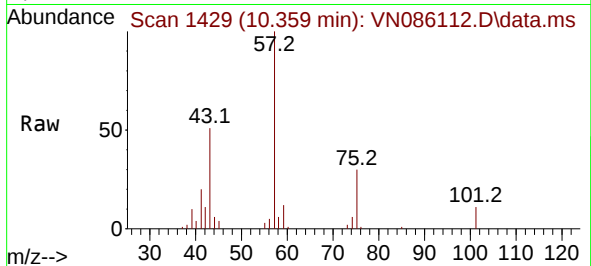




#54
 cis-1,3-Dichloropropene
 Concen: 3.958 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN086112.D
 Acq: 25 Mar 2025 19:52

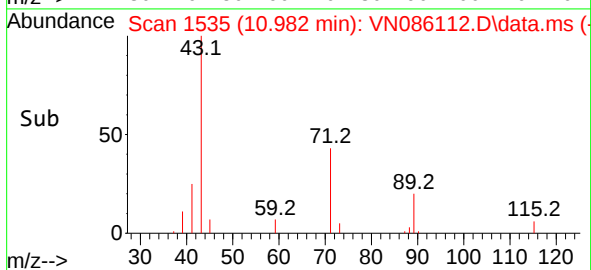
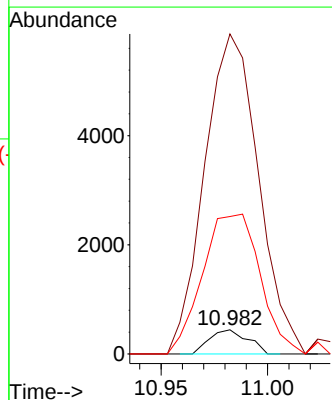
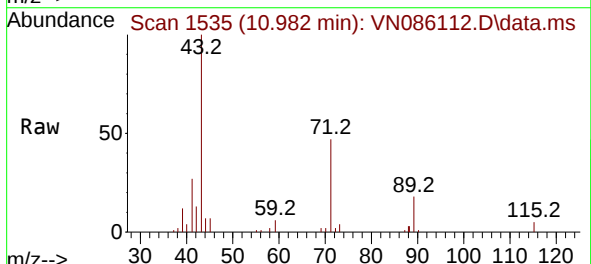
Instrument :
 MSVOA_N
 ClientSampleId :
 GRID-LINE-1.2-NORTH

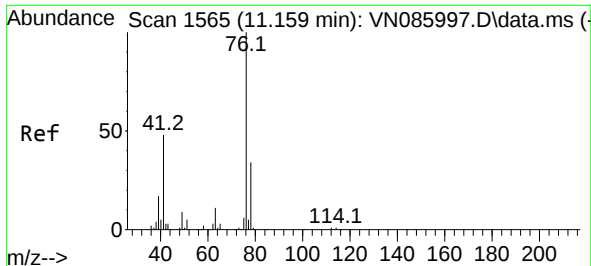
Tgt Ion: 75 Resp: 13596
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 31.8 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.397 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN086112.D
 Acq: 25 Mar 2025 19:52

Tgt Ion: 69 Resp: 554
 Ion Ratio Lower Upper
 69 100
 41 1862.5 41.6 62.4#
 39 868.4 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.203 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN086112.D

Acq: 25 Mar 2025 19:52

Instrument :

MSVOA_N

ClientSampleId :

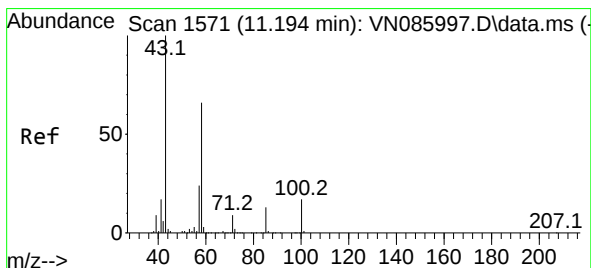
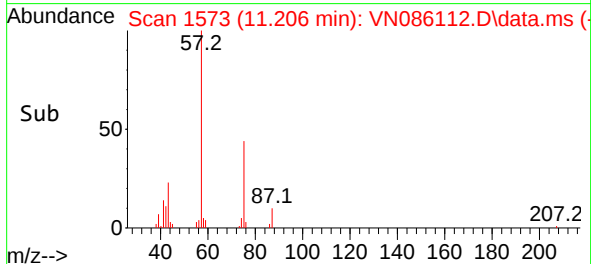
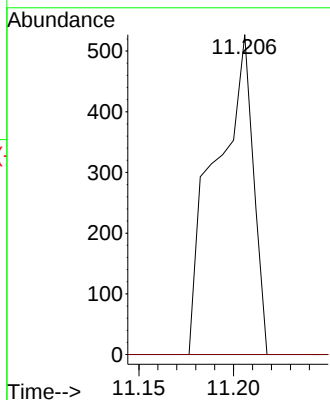
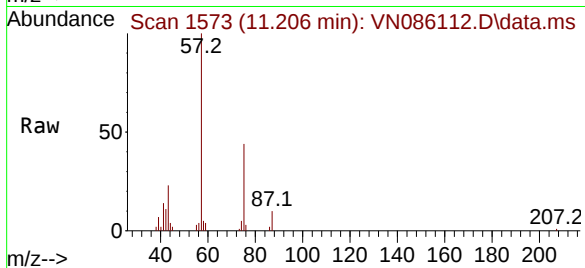
GRID-LINE-1.2-NORTH

Tgt Ion: 76 Resp: 726

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 4.733 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN086112.D

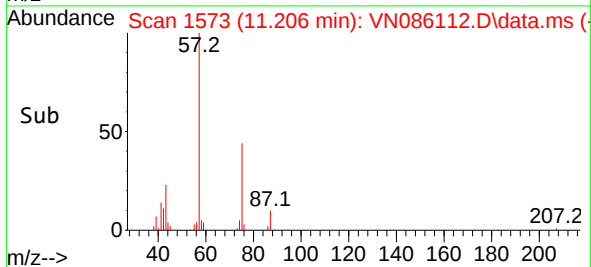
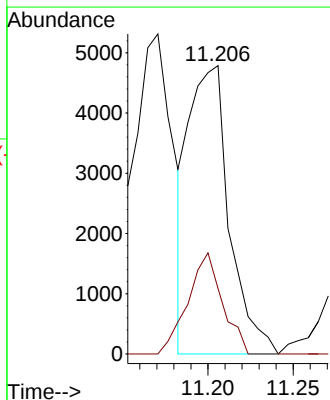
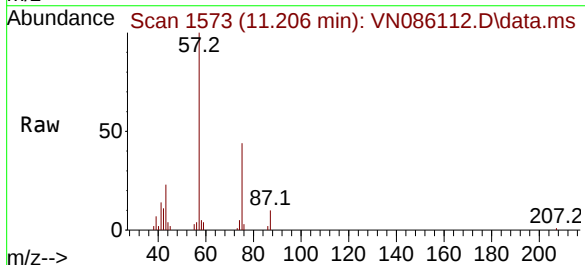
Acq: 25 Mar 2025 19:52

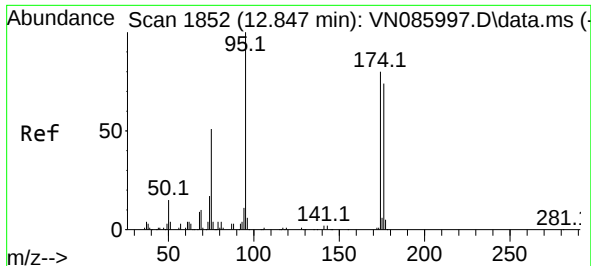
Tgt Ion: 43 Resp: 7943

Ion Ratio Lower Upper

43 100

58 29.8 32.4 97.2#

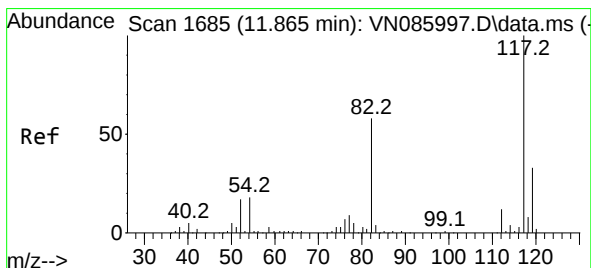
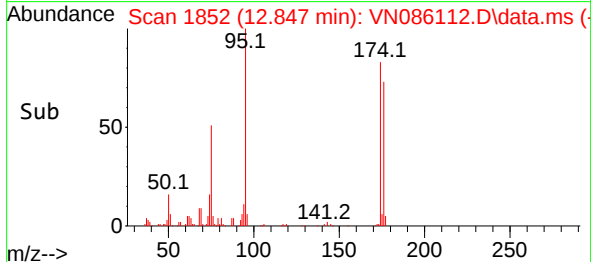
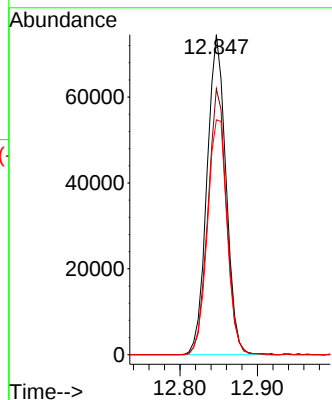
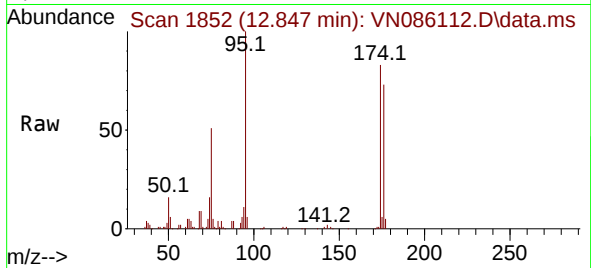




#62
4-Bromofluorobenzene
Concen: 45.078 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

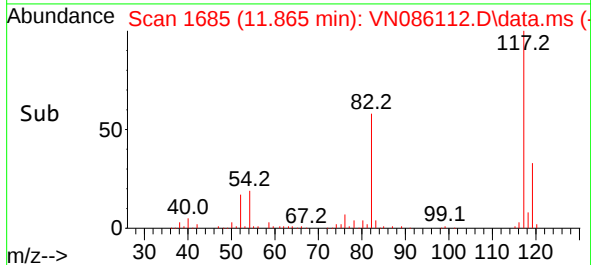
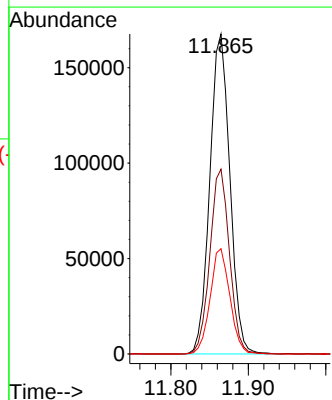
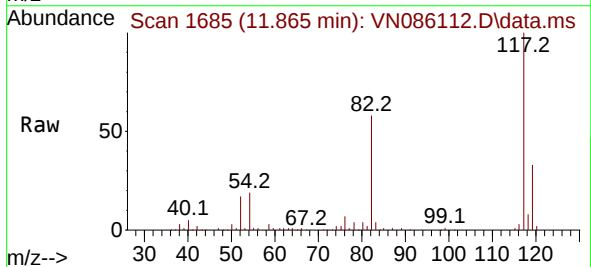
Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

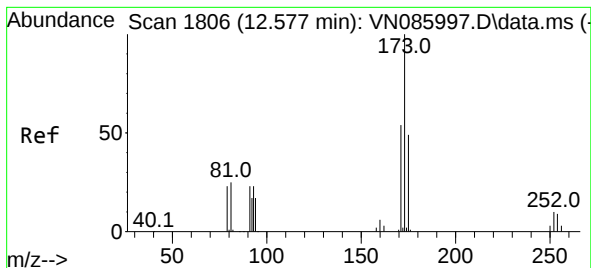
Tgt Ion: 95 Resp: 126597
Ion Ratio Lower Upper
95 100
174 81.8 0.0 156.8
176 76.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Tgt Ion: 117 Resp: 301467
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 32.9 26.5 39.7





#71

Bromoform

Concen: 0.512 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN086112.D

Acq: 25 Mar 2025 19:52

Instrument :

MSVOA_N

ClientSampleId :

GRID-LINE-1.2-NORTH

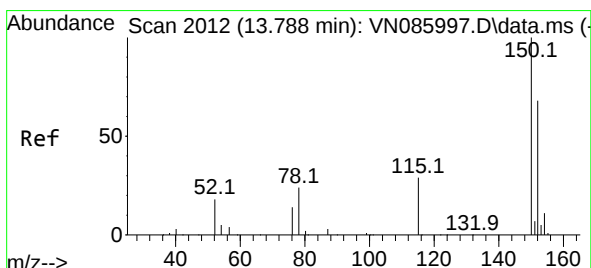
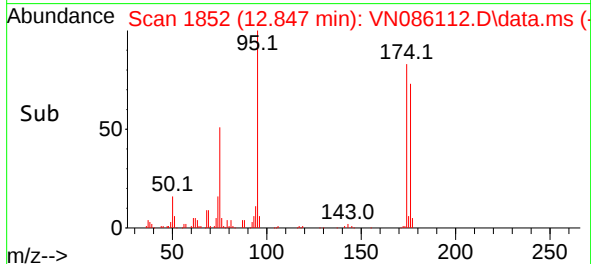
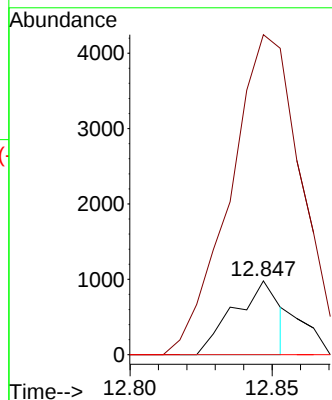
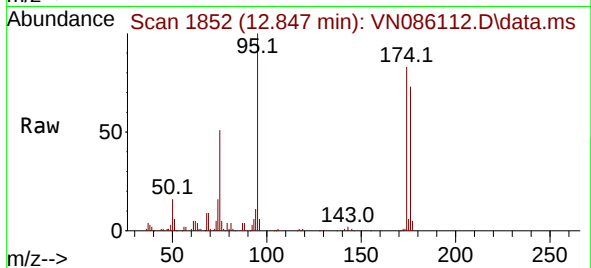
Tgt Ion:173 Resp: 1097

Ion Ratio Lower Upper

173 100

175 518.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN086112.D

Acq: 25 Mar 2025 19:52

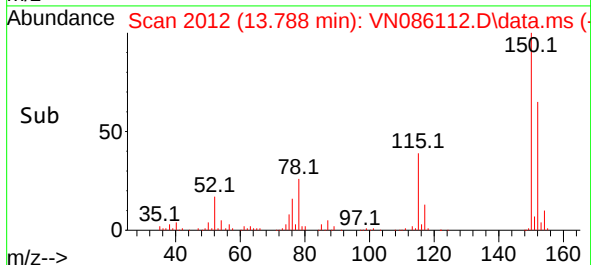
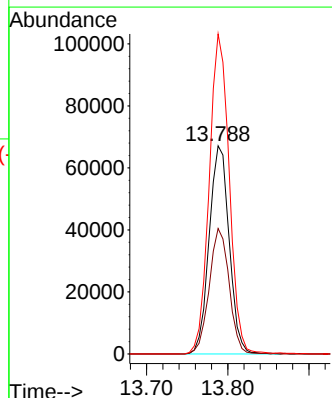
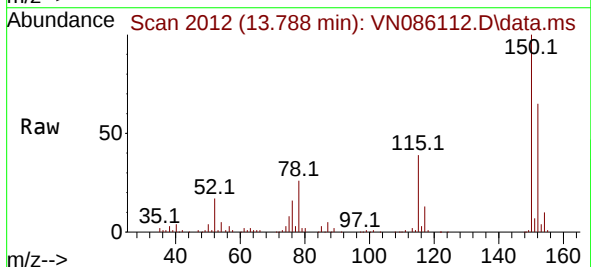
Tgt Ion:152 Resp: 114842

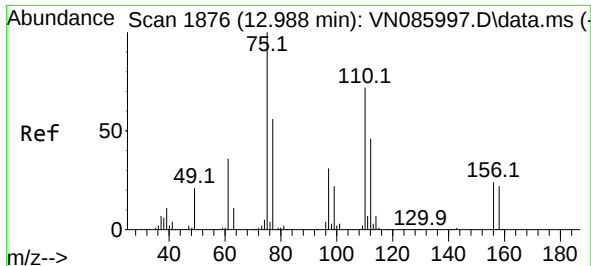
Ion Ratio Lower Upper

152 100

115 60.0 31.1 93.2

150 153.8 0.0 359.6

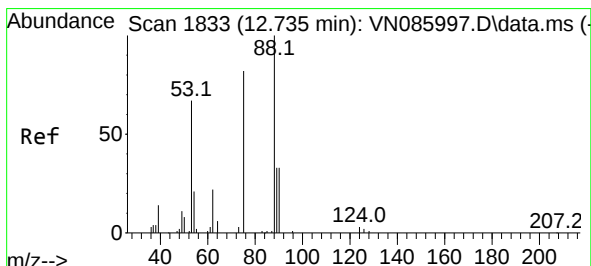
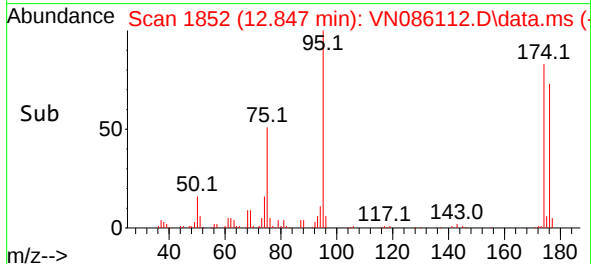
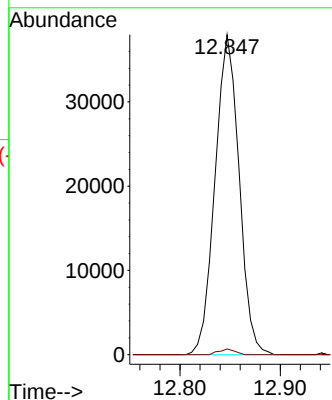
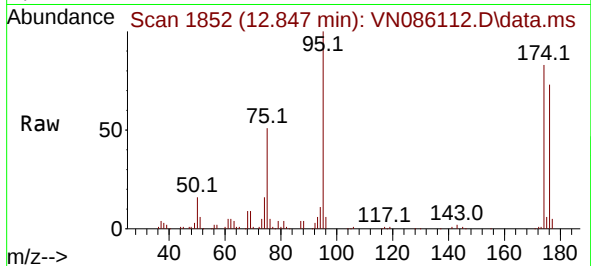




#76
1,2,3-Trichloropropane
Concen: 24.634 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

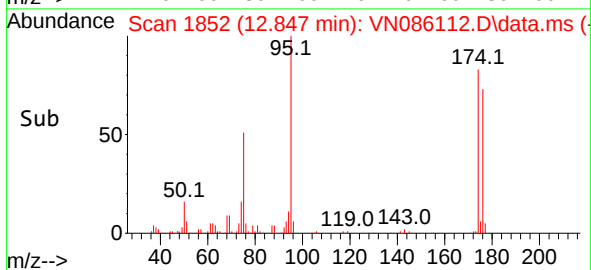
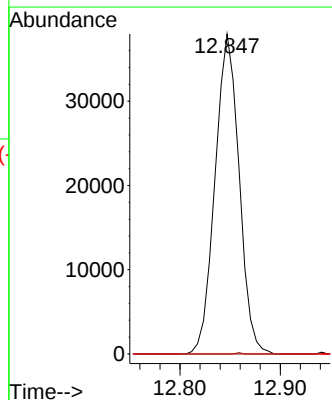
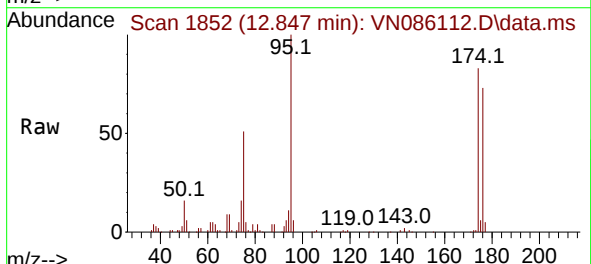
Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH

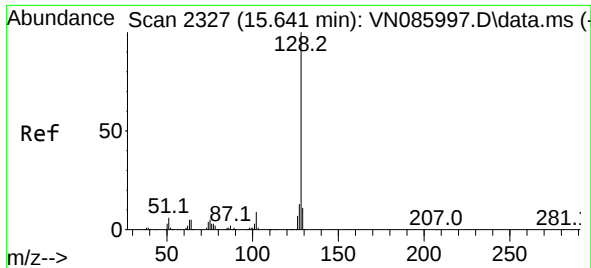
Tgt Ion: 75 Resp: 63337
Ion Ratio Lower Upper
75 100
77 1.2 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.129 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

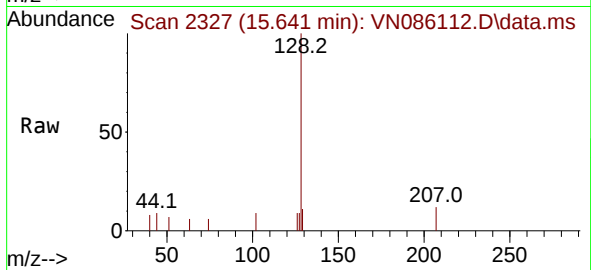
Tgt Ion: 75 Resp: 63337
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.845 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086112.D
Acq: 25 Mar 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
GRID-LINE-1.2-NORTH



Tgt Ion:	128	Resp:	4819
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.4
129	5.8	9.0	13.6#

